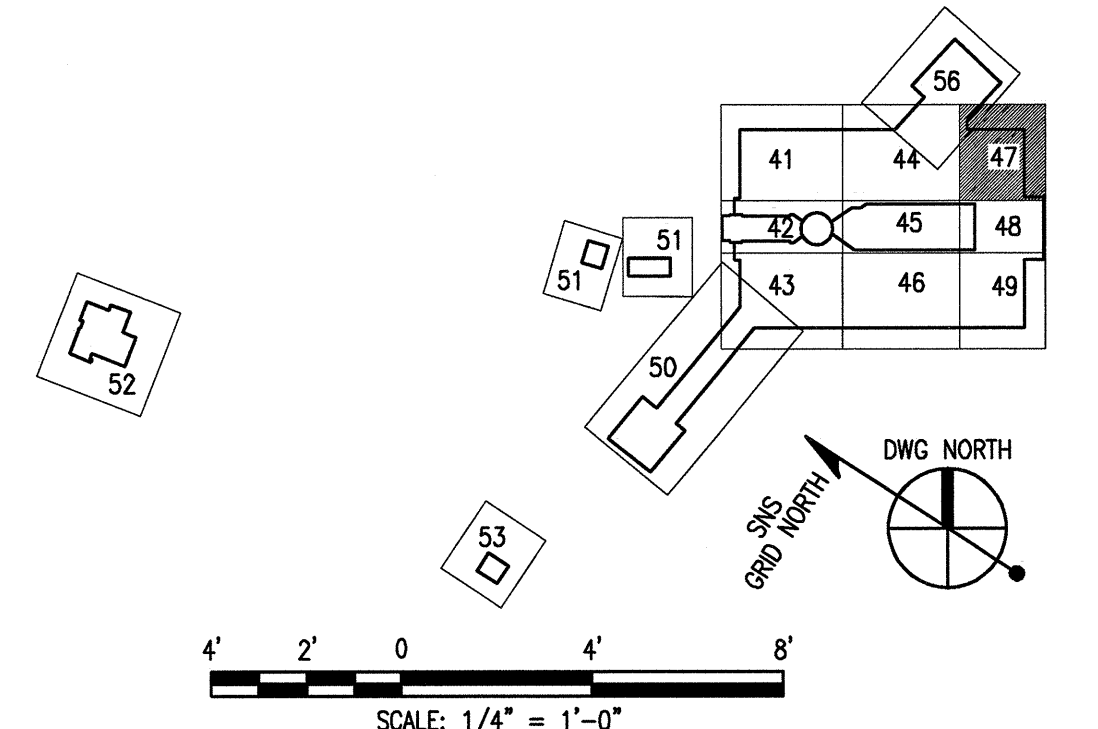
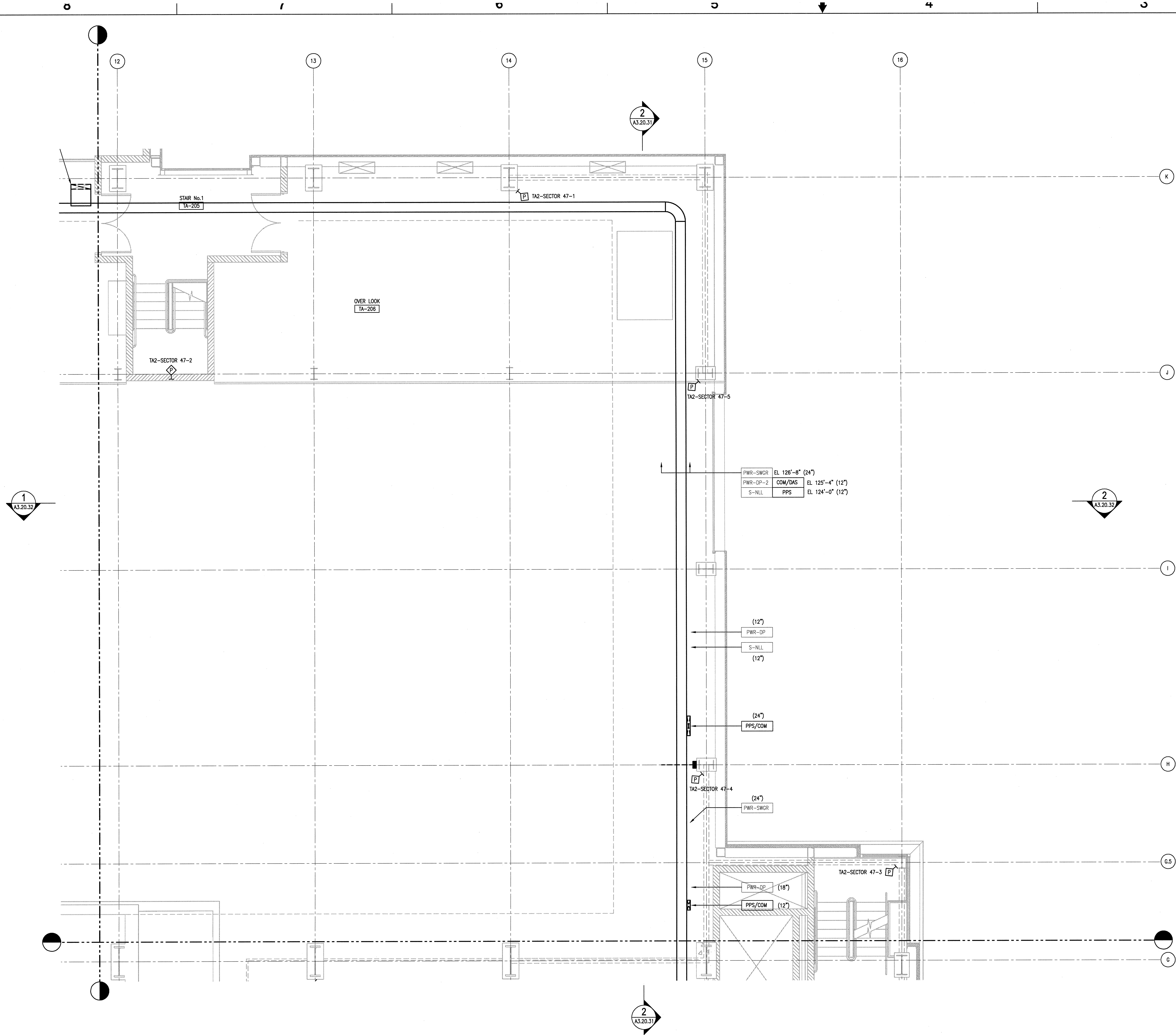


1. FOR ALL PERSONNEL PROTECTION SYSTEM (PPS) EQUIPMENT, PPS SIGNAL CABLEING USED AS PART OF SAFETY SYSTEM MUST BE RUN SEPARATELY FROM NON-SAFETY CABLEING. PPS SAFETY CABLEING CAN RUN IN SHARED TRAY WITH DIVIDE (PPS/COM TRAY) AND SHORT RUN OF CONDUIT FROM EACH DETECTOR LOCATION BACK TO THE NEAREST "PPS TRAY" PPS SIGNAL CABLES AND THE CONDUIT DROPS WILL BE BY OTHERS.
2. FOR PPS SYSTEM DEVICES ARE NOTED WITH ELECTRICAL SYMBOLS ON PLAN, EACH DEVICE WILL REQUIRE 120V UPS POWER SOURCE, FEED FROM UPS PANEL TA-3UP1 AS REQUIRED, CABLEING CAN BE RUN OF CONDUIT DROPS FROM (PWR-DP TRAY) TO NEARBY DEVICES LOCATION, BY INSTRUMENT SUBCONTRACTOR.



	<p><b>Knight/Jacobs Joint Venture</b>          701 Scarborough Road, MS 8253          Oak Ridge, TN 37830</p> <p>865-241-9433          fax 865-241-3400</p>	<div style="border: 1px solid black; padding: 10px;"> <h1 style="margin: 0;">KNIGHT</h1> <p style="margin: 0;">Knight Advanced Technology</p> <p style="font-size: small; margin-top: 10px;">548 West Randolph Street Chicago, IL 60601</p> </div>
	<p><b>Oak Ridge National Laboratory</b>          managed for the DEPARTMENT OF ENERGY under          U.S. GOVERNMENT CONTRACT DE-AC05-00OR22725  <small>ORNL/UT-Battelle, LLC © Oak Ridge Corporation</small></p>	

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SECTION AND DETAIL KEY

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	RPE	DSN H. EWANS	10/26/98
	VICTOR G. STEFF REGISTERED ESTATE PLANNING CONSULTANT <i>[Signature]</i> No. 001060679 OFFICE OF THE COMPTROLLER STATE OF TENNESSEE	DWR L. MAKOVSKY	10/26/98
		CHK W.STEFDEN	10/26/98
		DEPT	
		PE <i>M Quen</i>	11/12/00
		PJ <i>K Ryzan</i>	11/12/00
		REQ	
O	10-24-01		
REV.	DATE	LTR <i>M Swabbar</i>	11/12/00
	DRAWING APPROVALS		